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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/768,360	01/25/2001	Yoshinobu Nakamura	122.1431	3644

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EXAMINER

LEE, CHRISTOPHER E

ART UNIT	PAPER NUMBER
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2112

DATE MAILED: 12/13/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/768,360

Applicant(s)

NAKAMURA, YOSHINOBU

Examiner

Christopher E. Lee

Art Unit

2112

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 29 September 2004.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-8 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-8 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Receipt Acknowledgement

1. Receipt is acknowledged of the Amendment filed on 29th of September 2004. Claims 1-4 and 6-8 have been amended; no claim has been canceled; and no claim has been newly added since the RCE Non-Final Office Action was mailed on 29th of June 2004. Currently, claims 1-8 are pending in this application.

Claim Rejections - 35 USC § 102

2. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.
3. Claims 1, 2, 4, 5, 7 and 8 are rejected under 35 U.S.C. 102(e) as being anticipated by Berglund et al. [US 6,427,176 B1; hereinafter Berglund].

Referring to claim 1, Berglund discloses a peripheral unit management system (i.e., an apparatus for maintaining system labeling; See col. 1, lines 21-23) to manage a plurality of peripheral units (i.e., maintaining system labeling for subsystems A-F and C'-E' in Fig. 1) using a peripheral unit manager (i.e., OS 101, Service Processor 103, and SPCN 107 in Fig. 1) via a network (i.e., I2C bus in Fig. 1; See col. 10, lines 17-26), wherein said peripheral unit manager (i.e., OS, SP and SPCN) stores property information (e.g., PART # within table 3 in Fig. 2A) and address information (e.g., HARDWIRED ADDR. within table 3 in Fig. 2A) corresponding to each peripheral unit (See col. 5, lines 22-25; in fact, SPCN (i.e., peripheral unit manager) establishes (i.e., stores) a reference table (i.e., property information and address information) corresponding to each subsystem (i.e. peripheral unit)), comprising: a reading unit (i.e., means for retrieving by SPCN 107 in Fig. 1) reading (i.e., retrieving) said property information and said address information from each of said peripheral units (See col. 6, lines 5-13); a determining unit (i.e., means for querying by SPCN 107 in Fig. 1) determining (i.e., querying) that one of said peripheral units has been replaced when said property information read does not coincide with said property

information (i.e., PART #) stored in said peripheral unit manager (i.e., a different part number from the part number in the reference table is detected at the known hardwired address; See col. 10, line 65 through col. 11, line 6), and when detecting that said address information (i.e., HARDWIRED ADDR.) of one of said peripheral units is new (i.e., new subsystem is plugged at the known hardwired address; See col. 10, lines 40-46), and an obtaining unit (i.e., means for hot-plugging with SPCN 107 in Fig. 1; See col. 8, lines 13-22) obtaining said new address information (i.e., hardwired address, hardware resource information,) of said one of said peripheral units (See col. 10, lines 40-46) when said determining unit (i.e., means for querying by SPCN) determines (i.e., queries) that said one of said peripheral units has been replaced, and, when said property information (i.e., PART #) read does not coincide with said property information (i.e., PART #) stored in said peripheral unit manager (i.e., a different part number from the part number in the reference table is detected at the known hardwired address), storing said property information read and said new address information of said one of said peripheral units (See col. 11, lines 15-25; i.e., wherein in fact that the new part number or numbers are written into table A in place of the old part number or numbers of the device or devices replaced inherently anticipates the step of storing said property information read and said new address information of said one of said peripheral units).

Referring to claim 2, Berglund teaches each peripheral unit (i.e., subsystem in Fig. 1) comprises a main body (e.g., backplane; See col. 6, line 9) having a first recording medium (i.e., VPD chip in said subsystem in Fig. 1; See col. 8, lines 43-44) to record said property information (i.e., PART #; See col. 8, lines 45-47), and a board (e.g., card device) having a second recording medium (i.e., memory disposed on said card device; See col. 7, lines 56-58) to record said address information (i.e., HARDWIRED ADDR), wherein said board (i.e., card device) is inserted to and removed from said main body (See col. 7, lines 58-59) and performs a connecting function to said network (i.e., I2C network in Fig. 1) to enable each peripheral unit to transmit said property information and said address information over said network (See col. 7, lines 59-61), and when said board (i.e., card device) is replaced (See col. 12, lines 12-15), said

management system (i.e., operating system) reads (i.e., retrieves) said property information and said address information (i.e., querying reference table; See col. 10, line 65 through col. 11, line 6); and determines whether or not said main body (i.e., backplane) of said peripheral unit (i.e., subsystem) has been replaced (See col. 10, lines 40-46; i.e., wherein in fact that SPCN recognized when subsystems C and D have been removed and new subsystem C' has been plugged (i.e., card devices and backplane within said subsystem C has been replaced by new subsystem C'), and can report this immediately to the operating system clearly anticipates said management system (i.e., OS) determines whether or not said main body (i.e., backplane) of said peripheral unit (i.e., subsystem) has been replaced).

Referring to claim 4, the method steps of claim 4 are inherently performed by the apparatus of claim 1, and therefore the rejection of claim 1 applies to claim 4.

Referring to claim 5, the method steps of claim 5 are inherently performed by the apparatus of claim 2, and therefore the rejection of claim 2 applies to claim 5.

Referring to claim 7, most of the claim limitations have already been discussed/addressed with respect to claim 4, with the exception of recording medium readable by a computer and used for said peripheral unit management method, and said medium having a program recorded thereon to make the computer execute said method steps.

However, the recitation in the claim 7, that "recording medium readable by a computer and used for said peripheral unit management method, and said medium having a program recorded thereon to make the computer execute said method steps" has not been given patentable weight because it has been held that a preamble is denied the effect of a limitation where the claim is drawn to a structure and the portion of the claim following the preamble is a self-contained description of the structure not depending for completeness upon the introductory clause. *See Kropa v. Robie*, 88 USPQ 478 (CCPA 1951).

Referring to claim 8, Berglund teaches said property information (i.e., PART # within table 3 in Fig. 2A) comprising a serial number (i.e., part number) of said corresponding peripheral unit (See the

definition of the serial number in the specification page 9, lines 5-9; in fact, said serial number is anticipated by the part number of the Berglund).

Claim Rejections - 35 USC § 103

4. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

5. Claims 3 and 6 are rejected under 35 U.S.C. 103(a) as being unpatentable over Berglund [US 6,427,176 B1] as applied to claims 1, 2, 4, 5, 7 and 8 above, and further in view of another embodiment of Berglund in the prior art of record.

Referring to claim 3, Berglund discloses all the limitations of the claim 3 including each peripheral unit (i.e., subsystem in Fig. 1) comprising a main body (i.e., chassis FRU) and a board (i.e., chassis FRU component; e.g., card device on backplane) having a first recording medium (i.e., VPD memory) to record said property information (i.e., part number; See col. 8, lines 45-56) and a second recording medium (i.e., memory disposed on card device; See col. 7, lines 56-58) to record said address information (i.e., unique location information - HARDWIRED ADDR.), wherein said board (e.g., card device) is inserted to and removed from said main body (See col. 7, lines 58-59; i.e., said card device on backplane could be can be inserted to and removed from said body) and performs a connecting function to said network (i.e., I2C network in Fig. 1) to enable each peripheral unit to transmit said property information and said address information over said network (See col. 7, lines 59-61), and when said board (i.e., said card device) is replaced (See col. 12, lines 12-15), said management system (i.e., operating system) reads new property information (e.g., model number of said replaced card device) and new address information (i.e., hardware address in reference table for said replaced card device) recorded in said second recording medium (i.e., querying reference table; See col. 10, line 65 through col. 11, line 6), and determines whether or not said main body (i.e., chassis FRU) of said peripheral unit (i.e., subsystem) has been replaced (See col. 10, lines 40-46; i.e., wherein in fact that SPCN recognized when subsystems

C and D have been removed and new subsystem C' has been plugged (i.e., card devices and backplane within said subsystem C has been replaced by new subsystem C'), and can report this immediately to the operating system clearly shows said management system (i.e., OS) reads said serial number and said ID number and determines whether or not said main body (i.e., backplane) of said peripheral unit (i.e., subsystem) has been replaced), except that does not teach said management system reads said property information has been set by an operational panel or said peripheral unit.

However, Berglund further shows a management system (i.e., operating system) reads property information (e.g., peripheral device information) has been newly set by an operational panel (i.e., manually entered) of a peripheral unit (See col. 1, lines 34-47) in the Background (i.e., another embodiment) and reads new address information.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have included said means for entering serial number, as disclosed in the Background information of Berglund, in said system, as disclosed by Berglund, since it would have allowed for greater flexibility to said system assigning said serial number to said main body, which do not have an automatic configuration feature (e.g., see col. 1, lines 48-53).

Referring to claim 6, the method steps of claim 6 are inherently performed by the apparatus of claim 3, and therefore the rejection of claim 3 applies to claim 6.

Response to Arguments

6. Applicant's arguments filed on 29th of September 2004 have been fully considered but they are not persuasive.

In response to the Applicant's argument with respect to "According to Berglund, a service person can obtain updated device configuration information because the device stores updated component location information. On the other hand, according to an aspect of the present invention, the peripheral unit management system manages a plurality of peripheral units and stores the new address information

and the property information, if the property information does not coincide with the property information stored in the peripheral management unit, when both a LAN card and a main body of the peripheral unit have been replaced. The peripheral unit management system also reuses previously accumulated data in a peripheral unit when only a LAN card of the peripheral unit has been replaced but a main body of the peripheral unit has not been replaced. ..." on Response page 7, lines 7-25, the Examiner respectfully disagrees.

Berglund discloses updated device configuration information is provided to a service personnel to locate and service a particular subsystem if needed (See col. 8, lines 53-61). In fact, means for hot-plugging with SPCN can obtain said updated device configuration information (See col. 8, lines 13-22).

Therefore, in contrary to the Applicant's statement, Berglund suggests all the limitations of the claimed invention (See Paragraphs 3 and 5, claims 1, 2, 4, 5, 7 and 8 rejection under 35 U.S.C. 102(e) as being anticipated by Berglund, and claims 3 and 6 rejection under 35 U.S.C. 103(a) as being unpatentable over an embodiment of Berglund as applied to claims 1, 2, 4, 5, 7 and 8 above, and further in view of another embodiment of Berglund).

Thus, the Applicant's argument on this point is not persuasive.

Conclusion

7. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

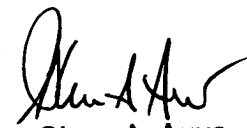
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Christopher E. Lee whose telephone number is 571-272-3637. The examiner can normally be reached on 9:30am - 5:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mark H. Rinehart can be reached on 571-272-3632. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Christopher E. Lee
Examiner
Art Unit 2112

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